

GenCore version 4.5  
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OM protein - protein search, using sw model

Run on: March 1, 2001, 16:19:15 ; Search time 46.88 Seconds  
(without alignments)  
10.725 Million cell updates/sec

Title: US-09-331-631A-32

Perfect score: 76  
Sequence: 1 CXXXXXXCXXXXXXXXXXXXCXXXXXC 28

Scoring table: BLOSUM62DX  
Gapop 10.0 , Gapext 0.5

Searched: 174772 seqs, 17957048 residues

Total number of hits satisfying chosen parameters: 174772

Minimum DB seq length: 0  
Maximum DB seq length: 200000000

Post-processing: Minimum Match 0%  
Maximum Match 100%

Listing first 45 summaries

Database :

Issued\_Patents\_AA:\*  
1: /cgn2\_6/ptodata/2/iaa/5A-COMB.pep:\*  
2: /cgn2\_6/ptodata/2/iaa/5B-COMB.pep:\*  
3: /cgn2\_6/ptodata/2/iaa/6-COMB.pep:\*  
4: /cgn2\_6/ptodata/2/iaa/PCTUS-COMB.pep:\*  
5: /cgn2\_6/ptodata/2/iaa/backfiles1.pep:\*

Pred. No. is the number of results predicted by chance to have a  
score greater than or equal to the score of the result being printed,  
and is derived by analysis of the total score distribution.

#### SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	76	100.0	47	3	US-08-482-085B-91
2	76	100.0	1345	2	US-08-977-767-3
3	67	88.2	47	1	US-08-451-947-93
4	67	88.2	47	1	US-08-451-947-94
5	67	88.2	47	1	US-08-451-947-95
6	67	88.2	47	1	US-08-451-947-96
7	67	88.2	47	2	US-08-424-826A-93
8	67	88.2	47	2	US-08-424-826A-94
9	67	88.2	47	2	US-08-424-826A-95
10	67	88.2	47	2	US-08-424-826A-96
11	67	88.2	47	3	US-08-928-694-93
12	67	88.2	47	3	US-08-928-694-94
13	67	88.2	47	3	US-08-928-694-95
14	67	88.2	47	3	US-08-928-694-96
15	67	88.2	47	4	PCT-US91-06950-93
16	67	88.2	47	4	PCT-US91-06950-94
17	67	88.2	47	4	PCT-US91-06950-95
18	67	88.2	47	4	PCT-US91-06950-96
19	67	88.2	109	3	US-08-527-044-2
20	67	88.2	109	3	US-09-013-780-2
21	67	88.2	246	2	US-08-704-931-2
22	67	88.2	352	1	US-08-415-751-6
23	67	88.2	466	3	US-08-746-559A-5
24	67	88.2	516	3	US-08-746-559A-4
25	67	88.2	624	3	US-08-422-108-1
26	67	88.2	782	3	US-09-146-283-4
27	67	88.2	782	3	US-08-579-823A-4
28	67	88.2	801	1	US-07-906-349A-6

29	67	88.2	1255	1	US-08-467-083-68	Sequence 68, Appl
30	67	88.2	1255	1	US-08-414-417B-68	Sequence 68, Appl
31	67	88.2	1255	2	US-08-484-438-8	Sequence 8, Appl
32	67	88.2	1255	2	US-08-486-348A-68	Sequence 68, Appl
33	67	88.2	1255	2	US-08-625-101-2	Sequence 2, Appl
34	67	88.2	1255	2	US-08-468-545B-68	Sequence 68, Appl
35	67	88.2	1255	3	US-08-356-786-2	Sequence 2, Appl
36	67	88.2	1255	3	US-08-466-680B-68	Sequence 68, Appl
37	67	88.2	1367	2	US-08-249-687C-2	Sequence 2, Appl
38	67	88.2	1367	2	US-08-625-819-2	Sequence 2, Appl
39	67	88.2	1367	3	US-08-746-559A-2	Sequence 2, Appl
40	67	88.2	1382	2	US-08-737-715-2	Sequence 2, Appl
41	67	88.2	2050	2	US-08-347-594A-2	Sequence 2, Appl
42	67	88.2	2813	3	US-08-896-449A-2	Sequence 2, Appl
43	67	88.2	2813	3	US-09-132-652-2	Sequence 2, Appl
44	66	86.8	336	1	US-07-704-288C-3	Sequence 3, Appl
45	66	86.8	336	1	US-08-093-372-2	Sequence 2, Appl

#### ALIGNMENTS

```
RESULT 1
US-08-482-085B-91
Sequence 91, Application US/08482085B
Patent No. 6018030
GENERAL INFORMATION:
APPLICANT: Ferrari, Franco A.
APPLICANT: Richardson, Charles
APPLICANT: Chambers, James
APPLICANT: Causey, Stuart
APPLICANT: Pollock, Thomas J.
APPLICANT: Cappello, Joseph
APPLICANT: Crissman, John W.
TITLE OF INVENTION: No. 6018030el Peptides Comprising Repetitive
TITLE OF INVENTION: Units of Amino Acids and DNA Sequences Encoding the Same
NUMBER OF SEQUENCES: 112
CORRESPONDENCE ADDRESS:
ADDRESSEE: Flehr, Hohbach, Test, Albritton & Herbert
STREET: Four Embarcadero Center, Suite 3400
CITY: San Francisco
STATE: California
COUNTRY: US
ZIP: 94111
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent In Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/482,085B
FILING DATE: 07-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 06/927,258
FILING DATE: 04-NOV-1986
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/114,618
FILING DATE: 29-OCT-1987
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/053,049
FILING DATE: 22-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/175,155
FILING DATE: 29-DEC-1993
ATTORNEY/AGENT INFORMATION:
NAME: Treacart, Richard F.
REGISTRATION NUMBER: 31,801
REFERENCE/DOCKET NUMBER: A-55186-6/RT/MTK
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-781-1989
TELEFAX: 415-398-3249
INFORMATION FOR SEQ ID NO: 91:
```

SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: amino acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: peptide  
US-08-482-085B-91

Query Match 100.0%; Score 76; DB 3; Length 47;  
Best Local Similarity 21.4%; Pred. No. 8.8;  
Matches 6; Conservative 22; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXCXXCXXCXXCXXCXXC 28  
DB 17 CTACATGATGACACATCTCGACATCC 44

RESULT 2  
US-08-977-767-3  
; Sequence 3, Application US/08977767  
; Patent No. 5972684  
; GENERAL INFORMATION:  
; APPLICANT: Bandman, Olga  
; APPLICANT: Yue, Henry  
; APPLICANT: Greenwald, Sara  
; APPLICANT: Corley, Neil C.  
; TITLE OF INVENTION: CARBONIC ANHYDRASE VIII  
; NUMBER OF SEQUENCES: 3  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Incyte Pharmaceuticals, Inc.  
; STREET: 3174 Porter Drive  
; CITY: Palo Alto  
; STATE: CA  
; COUNTRY: USA  
; ZIP: 94304  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FASTSEQ for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/977,767  
; FILING DATE: Herewith  
; CLASSIFICATION: 424  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER:  
; FILING DATE:  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Billings, Lucy J.  
; REGISTRATION NUMBER: 36,749  
; REFERENCE/DOCKET NUMBER: PF-0423 US  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 650-855-0555  
; TELEFAX: 650-845-4166  
; TELEX:  
; INFORMATION FOR SEQ ID NO: 3:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 1345 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; IMMEDIATE SOURCE:  
; LIBRARY: GenBank  
; CLONE: 1532042  
; US-08-977-767-3

Query Match 100.0%; Score 76; DB 2; Length 1345;  
Best Local Similarity 21.4%; Pred. No. 2.5e+02;  
Matches 6; Conservative 22; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXCXXCXXCXXCXXCXXC 28

DB 1238 CCGCGGCTCTTCCCAAGCCGCCACAC 1265

RESULT 3  
US-08-451-947-93  
; Sequence 93, Application US/08451947  
; Patent No. 5702906  
; GENERAL INFORMATION:  
; APPLICANT: GENENTECH, INC.  
; APPLICANT: ROSENTHAL, ARNON  
; TITLE OF INVENTION: NOVEL NEUROTROPIC FACTOR  
; NUMBER OF SEQUENCES: 100  
; CORRESPONDENCE ADDRESS:  
; ADDRESS: Genentech, Inc.  
; STREET: 460 Point San Bruno Blvd  
; CITY: South San Francisco  
; STATE: California  
; COUNTRY: USA  
; ZIP: 94080  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk  
; COMPUTER: IBM PC compatible  
; OPERATING SYSTEM: PC-DOS/MS-DOS  
; SOFTWARE: patin (genentech)  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/08/451,947  
; FILING DATE:  
; CLASSIFICATION: 514  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/426419  
; FILING DATE: 19-APR-1995  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 08/030013  
; FILING DATE: 22-MAR-1993  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/648482  
; FILING DATE: 31-JAN  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 07/587707  
; FILING DATE: 1991  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Torchia, Timothy E.  
; REGISTRATION NUMBER: 36,700  
; REFERENCE/DOCKET NUMBER: 666P2C1D2  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 415/225-8674  
; TELEFAX: 415/952-9881  
; TELEX: 910/371-7168  
; INFORMATION FOR SEQ ID NO: 93:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 47 amino acids  
; TYPE: amino acid  
; TOPOLOGY: linear  
; US-08-451-947-93

Query Match 88.2%; Score 67; DB 1; Length 47;  
Best Local Similarity 18.5%; Pred. No. 41;  
Matches 5; Conservative 22; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXCXXCXXCXXCXXCXXCXXCXXC 27  
DB 1 CCGCGGCTCTTCCCAAGCCGCCACAGT 27

RESULT 4  
US-08-451-947-94  
; Sequence 94, Application US/08451947  
; Patent No. 5702906  
; GENERAL INFORMATION:  
; APPLICANT: GENENTECH, INC.  
; APPLICANT: ROSENTHAL, ARNON



APPLICATION NUMBER: 08/030013  
FILING DATE: 22-MAR-1993  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
FILING DATE: 31-JAN  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/587707  
FILING DATE: 1991  
ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: 666P2C1D2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8674  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 96:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: amino acid  
TOPOLOGY: linear  
US-08-451-947-96

Query Match 88.2%; Score 67; DB 1; Length 47;  
Best Local Similarity 18.5%; Pred. No. 41;  
Matches 5; Conservative 22; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CXXCXXCXXXXXXCXXCXXCXX 27  
Db 1 CCGCGCCCTCTAGATCGACACAGCACT 27

RESULT 7  
US-08-424-826A-93  
Sequence 93, Application US/08424826A  
Patent No. 5830858  
GENERAL INFORMATION:  
APPLICANT: Rosenthal, Arnon  
TITLE OF INVENTION: NOVEL NEUTROTROPIC FACTOR  
NUMBER OF SEQUENCES: 98  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/424,826A  
FILING DATE: 19-APR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/240387  
FILING DATE: 10-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
FILING DATE: 31-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/587707  
FILING DATE: 25-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, Phd., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P0666P1C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8674  
TELEFAX: 415/952-9881

TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 93:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: Amino Acid  
TOPOLOGY: linear  
US-08-424-826A-93

Query Match 88.2%; Score 67; DB 2; Length 47;  
Best Local Similarity 18.5%; Pred. No. 41;  
Matches 5; Conservative 22; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CXXCXXCXXXXXXCXXCXXCXX 27  
Db 1 CCGCGCCCTCTAGATCGACACAGCACT 27

RESULT 8  
US-08-424-826A-94  
Sequence 94, Application US/08424826A  
Patent No. 5830858  
GENERAL INFORMATION:  
APPLICANT: Rosenthal, Arnon  
TITLE OF INVENTION: NOVEL NEUTROTROPIC FACTOR  
NUMBER OF SEQUENCES: 98  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Genentech, Inc.  
STREET: 460 Point San Bruno Blvd  
CITY: South San Francisco  
STATE: California  
COUNTRY: USA  
ZIP: 94080  
COMPUTER READABLE FORM:  
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk  
COMPUTER: IBM PC compatible  
OPERATING SYSTEM: PC-DOS/MS-DOS  
SOFTWARE: WinPatIn (Genentech)  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/08/424,826A  
FILING DATE: 19-APR-1995  
CLASSIFICATION: 514  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 08/240387  
FILING DATE: 10-MAY-1994  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/648482  
FILING DATE: 31-JAN-1991  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 07/587707  
FILING DATE: 25-SEP-1990  
ATTORNEY/AGENT INFORMATION:  
NAME: Torchia, Phd., Timothy E.  
REGISTRATION NUMBER: 36,700  
REFERENCE/DOCKET NUMBER: P0666P1C2  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 415/225-8674  
TELEFAX: 415/952-9881  
TELEX: 910/371-7168  
INFORMATION FOR SEQ ID NO: 94:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 47 amino acids  
TYPE: Amino Acid  
TOPOLOGY: linear  
US-08-424-826A-94

Query Match 88.2%; Score 67; DB 2; Length 47;  
Best Local Similarity 18.5%; Pred. No. 41;  
Matches 5; Conservative 22; Mismatches 0; Indels 0; Gaps 0;  
QY 1 CXXCXXCXXXXXXCXXCXXCXX 27  
Db 1 CCGCGCCCTCTAGATCGACACAGCACT 27







